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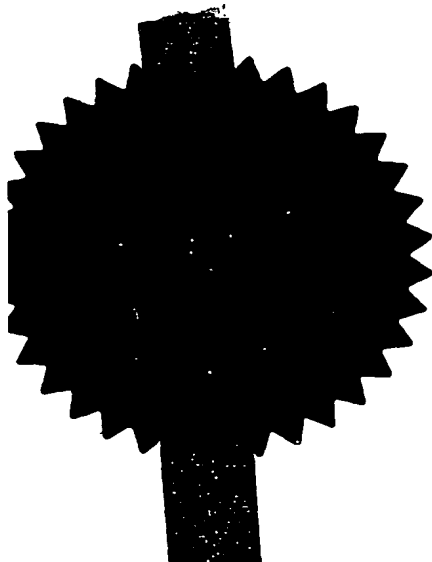
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I also certify that the application is now proceeding in the name as identified herein.

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Signed *Andrew Gorse*
Dated 20 October 2004

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GB 0321782.5

By virtue of a direction given under Section 30 of the Patents Act 1977, the application is proceeding in the name of:

CLIVE-SMITH COWLEY LIMITED,
Concord House,
25 Warwick New Road,
LEAMINGTON SPA,
Warwickshire,
CV32 5JT,
United Kingdom

Incorporated in the United Kingdom,

[ADP No. 08906588002]

Patents Form 1/77

Patents Act 1977
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17 SEP 2003

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P01/7700 0.00-0321782.5

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(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road
Newport
South Wales
NP10 8QQ

1. Your reference

DC308.P03.041

2. Patent application number

(The Patent Office will fill in this part)

17 SEP 2003

0321782.5

3. Full name, address and postcode of the or of each applicant (underline all surnames)

Martin Clive-Smith
Wootton Paddox
Leek Wootton
Warwickshire
CV35 7QX

08409529001

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

SECTION 30 (1977 ACT) APPLICATION FILED

9/8/04

4. Title of the invention

Demountable Stub Post

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

Chris J Tillbrook
1 Mill Street
Warwick
CV34 4HB

Patents ADP number (if you know it)

06097562002

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)Date of filing
(day / month / year)

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing
(day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

No

a) any applicant named in part 3 is not an inventor, or
b) there is an inventor who is not named as an applicant, orc) any named applicant is a corporate body.
See note (ii))

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Demountable Stub Post

5 Post extensions are known.

When post extensions are fitted to telescopic folding posts, as in containers, provision is made for accommodating the post extension in the platform base along with the main post.

10 In the present case, extensions are demountable and re-deployable as independent (corner) stub posts upon a platform base, for low profile loads such as pipes.

Statement of Invention

20 According to one aspect of the invention, a demountable post extension is configured for re-location, as an independent stub post (re-)mounting, with self-contained lockable mounting facility.

25 Conveniently, the mounting comprises a rotatable jaw, locatable in a base plate.

30 In a particular construction, a demountable post extension, employs a transverse movable wedge-action lock, to retract a depending mounting jaw into a strut, to draw and clamp the strut and mounting plate securely together.

35 According to another aspect of the invention, a post extension comprises an upright support section, a tongue protruding from the base of said support section, and a locking screw orthogonal to the post height, for engagement with a wedge section such that tightening of said screw draws said wedge section along said screw length and in turn retracts said tongue longitudinally of the post.

40 A post extension may be configured for container use, and capable of mounting upon an existing post or a flatrack base.

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5 Generally, a post extension is configured such that the protruding tongue is inserted into a base mounting slot of an existing post or flatrack base, said post extension is then rotated relative to said base mounting slot so as to lock the post extension in position.

10 Further, a post extension may be configured such that the tightening of a screw acts to clamp the post extension and the base together by retracting the tongue until it contacts the top of the base mounting slot.

15 Optionally, a post extension may comprise a profiled lip along a base edge to prevent the post extension from moving relative to the base upon screw tightening.

20 Additionally, a post extension may comprise a flange plate, welded along a base edge such that it protrudes downwardly of the base and overlaps with the top edge of the base mounting slot.

25
30 Embodiments

35 There now follows a description of some particular embodiments of the demountable stub posts for use with a collapsible flatrack container, platform deck or collapse foldable support posts and/or walls, by way of example only, with reference to the accompanying diagrammatic and schematic drawings, in which:

40 Figures 1A through 1E show flatrack containers with four corner (lifting and stacking) support posts being fitted with demountable post extensions.

45 These support posts may be of fixed length or themselves telescopically extendable.

More specifically:

50 Figure 1A shows a perspective view of a flatrack container where one support post is being fitted with a demountable post extension.

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Figure 1B shows a perspective view of the flatrack container of Figure 1A fitted with demountable post extensions on each existing post.

5

Figure 1C shows a side elevation view of the flatrack container of Figure 1A without demountable post extensions, loaded with freight taller than the existing post height.

10

Figure 1D shows a side elevation view of the flatrack container of Figure 1C fitted with demountable post extensions.

15

Figure 1E shows a side elevation view of three of the flatrack containers of Figure 1D stacked on top of each other.

20

Figures 2A through 2E show flatrack container bases being fitted with demountable post extensions.

More specifically:

25

Figure 2A shows a perspective view of a flatrack container base where a demountable post extension is being fitted at a corner.

30

Figure 2B shows a perspective view of the flatrack container base of Figure 2A fitted with demountable post extensions on each corner.

35

Figure 2C shows a side elevation view of the flatrack container base of Figure 2A without demountable post extensions, loaded with freight taller than the corner fitment sections.

40

Figure 2D shows a side elevation view of the flatrack container base of Figure 2C fitted with demountable post extensions.

45

Figure 2E shows a side elevation view of five of the flatrack container bases of Figure 1D stacked on top of each other.

50

Figures 3A through 3C show side elevation views of a demountable post extension being fitted onto a support post of Figure 1A.

More specifically:

Figure 3A shows a demountable post extension

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being inserted into a support post of Figure 1A.

Figure 3B shows the demountable post extension of Figure 3A being rotated with respect to the support post of Figure 1A.

Figure 3C shows the demountable post extension of Figure 3B being secured in position by tightening of a bespoke screw clamp fitting.

Figures 4A through 4C show sectional views of the demountable post extension of Figure 3A.

More specifically:

Figure 4A shows a sectional view of the demountable post extension of Figure 3A illustrating the locking flanges of a protruding tongue.

Figure 4B shows a sectional view of the demountable post extension of Figure 3A taken along the broken line of Figure 4C, illustrating a wedge-screw configuration for retracting the protruding tongue.

Figure 4C shows a cross-sectional view of the demountable post extension of Figure 3A illustrating the orientation of the wedge, screw and tongue sections.

Figures 5A through 5D show side elevation views of a demountable post extension with side lips, being fitted onto a support post of Figure 1A.

More specifically:

Figure 5A shows a demountable post extension with side lips being inserted into a support post of Figure 1A.

Figure 5B shows the demountable post extension of Figure 5A being rotated with respect to the support post of Figure 1A.

Figure 5C shows the demountable post extension of Figure 5B being secured in position by the tightening of a screw.

Figure 5D shows an enlarged view of one corner of the demountable post extension of Figure 5C with profiled edge lip to prevent the demountable post

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extension from moving with respect to the support post, when the screw is being tightened.

5 Figures 6A through 6C show sectional views of the demountable post extension of Figure 5A.

More specifically:

10 Figure 6A shows a sectional view of the demountable post extension of Figure 5A illustrating the locking flanges of the protruding tongue.

15 Figure 6B shows a sectional view of the demountable post extension of Figure 5A taken along the dotted line of Figure 6C, illustrating the wedge-screw configuration for retracting the protruding tongue.

20 Figure 6C shows a cross-sectional view of the demountable post extension of Figure 5A illustrating the orientation of the wedge, screw and tongue sections.

25 It should be noted that although not shown, the extension stub post could itself be telescopically adjustable or constructed from smaller post elements.

30 Mix and Match Features

Generally, in the embodiments, where feasible and appropriate, features may be mixed and matched to suit circumstances.

35 It is not feasible to describe every such feature combination.

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Claims

- 5 1.
A demountable post extension,
configured for re-location,
as an independent stub post (re-)mounting,
with self-contained lockable mounting facility.
- 10 2.
A demountable post extension of Claim 1,
comprising a rotatable jaw,
15 locatable in a base plate.
- 20 3.
A demountable post extension,
of either preceding claim,
comprising a transverse movable wedge-action lock,
to retract depending mounting jaw into strut,
to draw and clamp strut and mounting plate securely
together.
- 25 4. {Post Extension}
A post extension comprising;
30 an upright support section,
a tongue protruding
from the base of said support section,
a locking screw orthogonal to the post height,
for engagement with a wedge section
35 such that tightening of said screw
draws said wedge section along said screw length
and in turn retracts said tongue
longitudinally of the post.
- 40 5. {Container Post}
A post extension of Claim 4,
configured for container use,
45 and capable of mounting upon an existing post
or a flatrack base.

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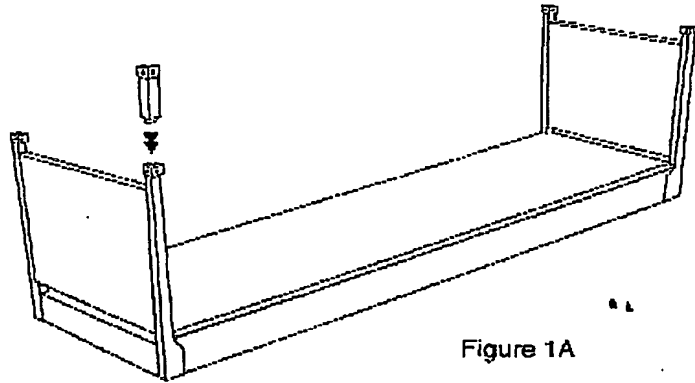


Figure 1A

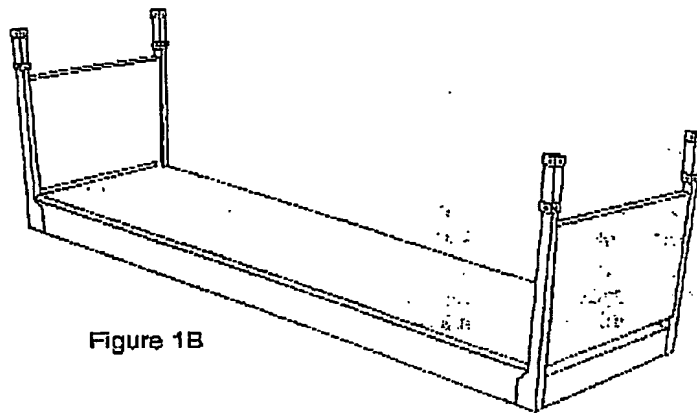


Figure 1B

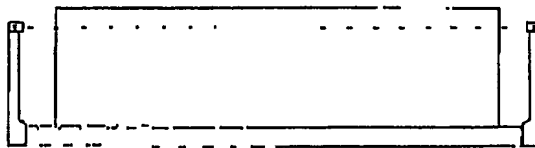


Figure 1C

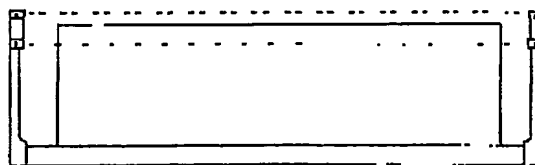


Figure 1D

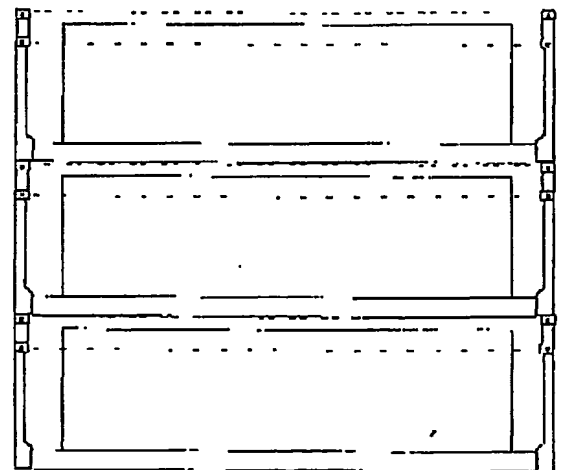


Figure 1E

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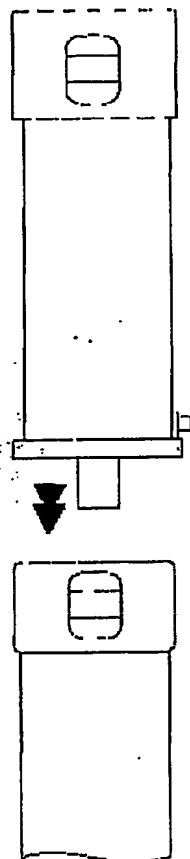


Figure 3A

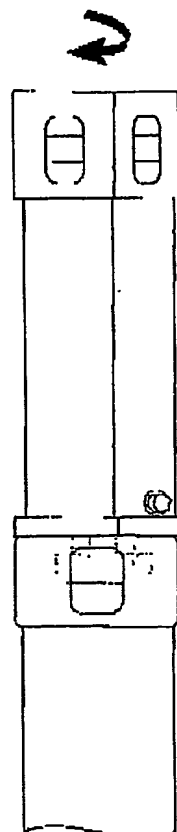


Figure 3B

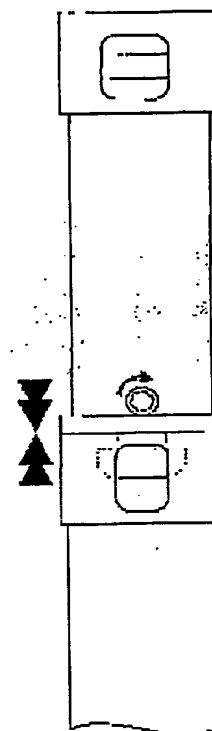


Figure 3C

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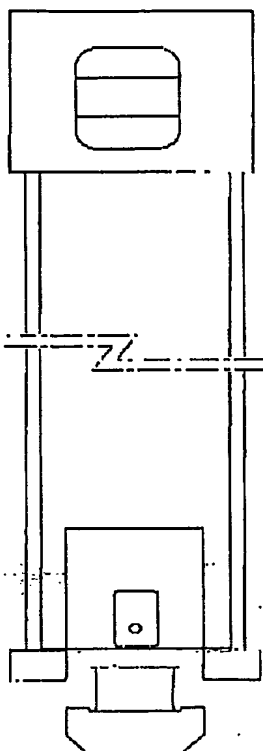


Figure 4A

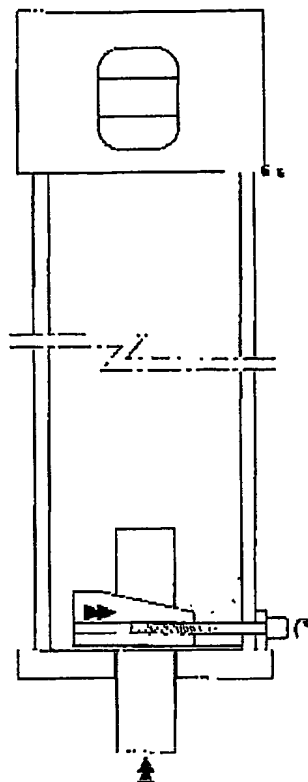


Figure 4B

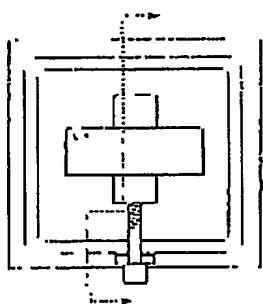


Figure 4C

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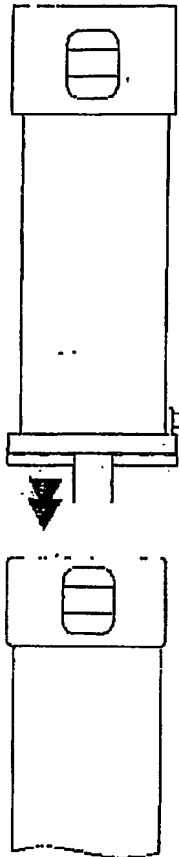


Figure 5A

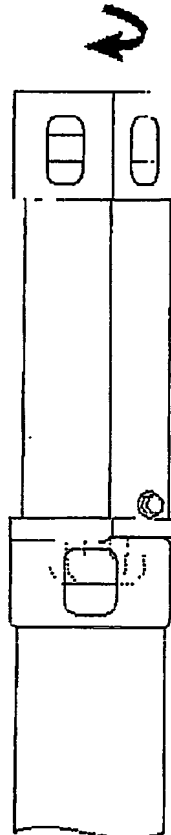


Figure 5B

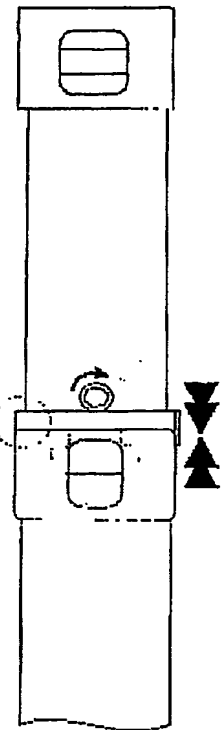


Figure 5C

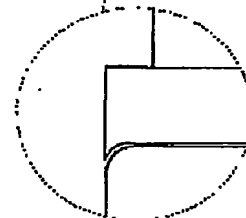


Figure 5D

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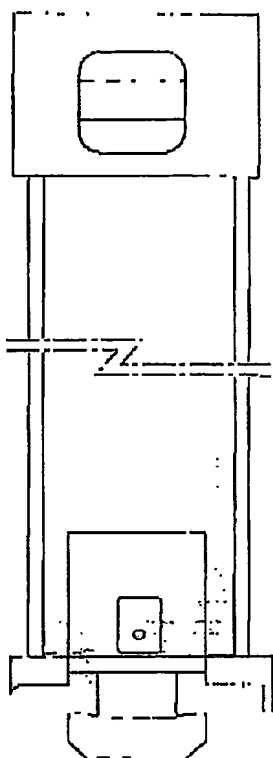


Figure 6A

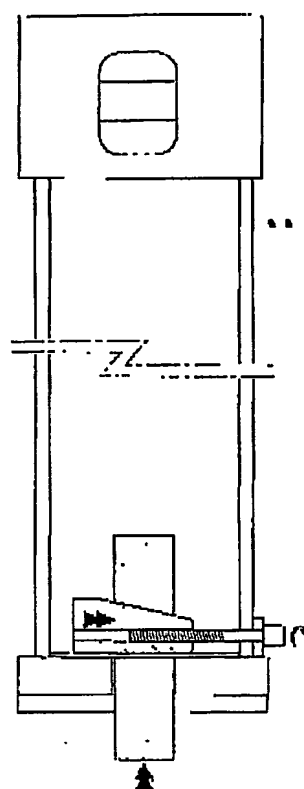


Figure 6B

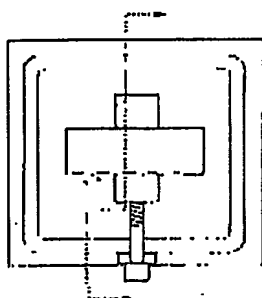


Figure 6C

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